

# results of BLAST

### BLASTN 2.2.12 [Aug-07-2005]

#### Reference:

Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schäffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

RID: 1126736288-26655-34332709773.BLASTQ1

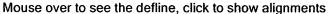
Database: All GenBank+EMBL+DDBJ+PDB sequences (but no EST, STS, GSS, environmental samples or phase 0, 1 or 2 HTGS sequences)
3,491,285 sequences; 15,298,534,039 total letters

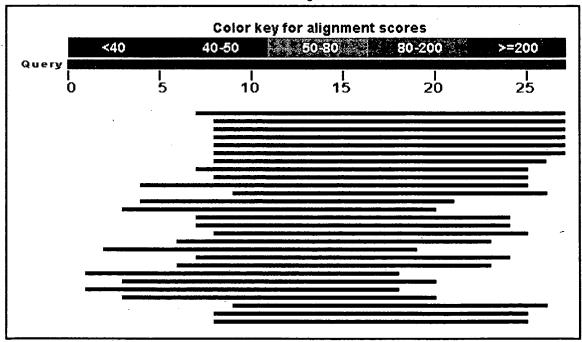
If you have any problems or questions with the results of this search please refer to the  ${\tt BLAST\ FAQs}$  Taxonomy reports

Query=

(27 letters)

## Distribution of 27 Blast Hits on the Query Sequence





Sequences producing significant alignments:

Score E (Bits) Value

```
W
                                                                               0.10
 qi|163282|qb|M18780.1|BOVLACTBA Bovine alpha-lactalbumin mRNA, c
                                                                       40.1
( gi|46391243|gb|AC1<u>4</u>7073.2|
                              Pan troglodytes BAC clone RP43-169D10
                                                                               0.40
                                                                       38.2
                                                                       38.2
                             Homo sapiens BAC clone CTB-20D2 from 7
                                                                               0.40
 gi|2275186|gb|AC002381.1|
                              Pan troglodytes BAC clone RP43-28J15
                                                                       38.2
                                                                               0.40
 gi|29294450|gb|AC142331.1|
                              Pan troglodytes BAC clone RP43-160F1
                                                                               0.40
 qi|33235831|qb|AC145774.1|
                                                                       38.2
                              Pan troglodytes BAC clone CH251-54...
                                                                       38.2
                                                                               0.40
 gi|53386809|gb|AC147976.3|
                               Bartonella henselae strain Houston-1
 gi|49237636|emb|BX897699.1|
                                                                       36.2
                                                                               1.6
 gi|54633118|emb|BX465862.7|
                               Zebrafish DNA sequence from clone...
                                                                       36.2
                                                                              1.6
 qi|5262736<u>7|gb|AE017354.1|</u>
                              Legionella pneumophila subsp. pneu...
                                                                       34.2
                                                                               6.2
 gi|71533370|gb|AC154487.2|
                              Mus musculus BAC clone RP24-119I4 ...
                                                                       34.2
                                                                               6.2
                                                                                      G
 gi|9105283|gb|AE003895.1|
                             Xylella fastidiosa 9a5c, section 41...
                                                                       34.2
                                                                       34.2
 gi|21537450|emb|AL627095.8|
                               Human DNA sequence from clone RP1...
                                                                               6.2
 gi|16973165|emb|AL603791.3|
                               Human DNA sequence from clone RP1...
                                                                       34.2
                                                                               6.2
 qi|15591207|emb|AL450243.13|
                                Human DNA sequence from clone RP...
                                                                       34.2
                                                                               6.2
 gi|61966681|emb|BX927163.31|
                                Zebrafish DNA sequence from clon...
                                                                       34.2
                                                                               6.2
 gi|68131775|gb|AC138596.13|
                               Mus musculus chromosome 1, clone RP2
                                                                       34.2
                                                                               6.2
 gi|34482125|gb|AC132619.3|
                              Mus musculus BAC clone RP23-195N4 ...
                                                                       34.2
                                                                               6.2
 gi|23592205|gb|AC122835.3|
                              Mus musculus BAC clone RP23-187I18 fr
                                                                       34.2
                                                                               6.2
 gi|54110613|emb|BX537142.10|
                                Zebrafish DNA sequence from clon...
                                                                       34.2
                                                                               6.2
 gi|46848201|emb|BX322623.7|
                               Zebrafish DNA sequence from clone...
                                                                               6.2
 gi|21629273|gb|AC112175.2|
                              Homo sapiens chromosome 5 clone CTD-2
                                                                       34.2
                                                                               6.2
 gi|45581130|emb|AL928617.13|
                                Mouse DNA sequence from clone RP...
                                                                       34.2
                                                                               6.2
 gi|16197757|gb|AC008379.7|
                              Homo sapiens chromosome 5 clone CTC-2
                                                                               6.2
                                                                       34.2
                               Mesorhizobium loti MAFF303099 DNA, c
 gi|47118328|dbj|BA000012.4|
                                                                       34.2
                                                                               6.2
                              Xylella fastidiosa Temeculal,
                                                                       34.2
 gi|28057550|gb|AE012559.1|
                                                              sec...
                                                                               6.2
 gi|9930130|gb|AF250324.1|AF250324 Homo sapiens chromosome 4q3...
                                                                               6.2
                                                                       34.2
                              Zymomonas mobilis subsp. mobilis ZM4,
 gi|56542470|gb|AE008692.1|
                                                                               6.2
```

#### Alignments

```
Get selected sequences
                        Select all
                                 Deselect all
> gi|163282|gb|M18780.1|BOVLACTBA G Bovine alpha-lactalbumin mRNA, complete cds
        Length=703
Score = 40.1 bits (20), Expect = 0.10
Identities = 20/20 (100%), Gaps = 0/20 (0%)
Strand=Plus/Minus
Query
         CAAATCAGGCTTTTATTCGG
                            27
         703 CAAATCAGGCTTTTATTCGG
Sbjct
Length=159447
Score = 38.2 \text{ bits (19)}, Expect = 0.40
Identities = 19/19 (100%), Gaps = 0/19 (0%)
Strand=Plus/Minus
Query 9
            AAATCAGGCTTTTATTCGG
                             27
            Sbjct 112937
            AAATCAGGCTTTTATTCGG
                             112919
```